SECURICAM™

WIRELESS N PTZ NETWORK CAMERA

3G MOBILE SUPPORT
View a live camera feed from your compatible 3G mobile phone or PDA[1]

MOTION TRIGGERED RECORDING
Starts recording and sends e-mail alerts upon motion detection from camera or PIR sensor

PANT/TILT/ZOOM
Versatile field of view with motorized pan/tilt and 16x zoom[2]

FULLY FEATURED PTZ CAPABILITIES

The DCS-5230 is a wireless 802.11n PTZ network camera designed for indoor surveillance applications and remote monitoring. A built-in Wireless N module provides speeds of up to 300Mbps and a wider operational range than standard 802.11g. The camera employs a 1.3 megapixel CMOS image sensor, a built-in IR LED for low-light capture, and a micro SD card slot for front-end storage. A WPS button allows home users to set up a wireless connection within minutes[3]. The DCS-5230 is equipped with a PIR sensor for accurate motion detection with minimal false alarms. Using this technology, motion can be gauged by the temperature of the objects moving into the view of the detector, which automatically triggers when these objects approach the camera. The DCS-5230 offers a powerful yet affordable solution for your home or office security needs.

POWERFUL SURVEILLANCE

The DCS-5230 features a built-in infrared LED for night surveillance. The camera uses a 1.3 megapixel image sensor that is capable of 10 frames per second at full 1280 x 1024 pixel resolution, and 30 frames per second in 640 x 480 pixels VGA mode. Megapixel resolution provides extraordinary detail and clarity that is not seen in traditional analog and VGA cameras. IP cameras provide large images and greater power savings in comparison with conventional CCD systems.

HIGH-QUALITY IMAGE MONITORING FROM ANYWHERE

Designed for operation as a standalone system, the DCS-5230 includes a CPU, web server, and an advanced video/audio surveillance remote monitoring utility. With sharp, responsive pan/tilt movements and digital zoom, the DCS-5230 can monitor from different angles and quickly orient itself to focus on any detail. It provides high quality real-time videos in MPEG-4 and JPEG compression with QVGA/VGA/XGA/SXGA resolution for smoother performance. The camera's live feed can be accessed from a 3G cellular network through a 3G cell phone, PDA or any compatible RTSP (Real Time Streaming Protocol) devices. Users are offered a flexible and convenient way to remotely monitor their home or office in real time from anywhere within a 3G service area.

SIMPLE & EASY TO USE

To save disk space and time, images can be recorded to a hard drive only when motion is detected. This eliminates the need for round-the-clock recording. Images can be recorded manually or using a pre-set schedule. Reviewing recordings consumes little time thanks to triggered event browsing and fast database searching. Users can also set up automated e-mail alerts for all triggered events. D-ViewCam is included allowing users to monitor and manage 32 cameras in a single display from a central location. The camera additionally provides a Privacy Mode option which can rotate the camera and hide the camera lens when requested. The camera adheres to the Universal Plug-n-Play specification, which allows computers running on Windows XP/Vista to automatically recognize the camera and add it to the network. Administrators can sign up with one of the many free Dynamic DNS services available on the web and assign an easy-to-remember name and domain to the camera (e.g. mycamera.dlinkddns.com). This allows them to remotely access the camera without having to remember the IP address.

DCS-5230

WHAT THIS PRODUCT DOES

D-Link's DCS-5230 is a 802.11n (draft) wireless pan/tilt/zoom network camera which provides a powerful yet cost-effective security solution for home and SOHO users. The camera is equipped for real-time monitoring both day and night thanks to a built-in infrared LED and a 0.5 Lux CMOS sensor, ideal for low-light conditions. The video feed can be monitored from anywhere using a mobile device with 3G mobile video support. Real-time video can be streamed in both MPEG-4 and JPEG simultaneously, allowing systems to be optimized for both image quality and bandwidth-efficiency. Motorized pan/tilt controls with 16x digital zoom allow you to grab close ups and take snapshots directly from a web browser. A PIR sensor allows the camera to more accurately detect motion within the camera's field of view. The camera also includes a WPS button which simplifies setup of a secure wireless connection.

REMOTE MONITORING OPTION

DCS-5230 features 3G mobile video support, enabling users to view the camera's live video feed on a compatible 3G mobile phone or PDA. The bundled D-ViewCam IP video management software allows you to manage up to 32 cameras simultaneously, send automated e-mail alerts, and record video to your hard drive whenever motion is detected.

TECHNICAL SPECIFICATIONS

NETWORK PROTOCOL SUPPORT
- IPv4, ARP, TCP, UDP, ICMP, DHCP Client, NTP Client (D-Link), DNS Client, DDNS Client (D-Link), SMTP Client, FTP Client, HTTP Server, Samba Client, PPPoE, RTP, RTSP, RTCP, 3GPP

BUILT-IN NETWORK INTERFACES
- IEEE 802.11b
- IEEE 802.11g
- IEEE 802.11n draft
- 10/100BASE-TX Fast Ethernet with auto-MDI/MDIX support

VIDEO ALGORITHM SUPPORT
- JPEG for still images
- Enhanced video compression using MPEG4 Simple Profile
- MPEG4/MJPEG dual format compression

VIDEO RESOLUTION
VGA (640 x 480)
- 640 x 480 at 30fps
- 320 x 240 at 30fps
- 160 x 120 at 30fps

XGA (1024 x 768)
- 1024 x 768 at 10fps
- 512 x 384 at 10fps
- 256 x 192 at 10fps

SXGA (1280 x 1024)
- 1280 x 1024 at 10fps

VIDEO FEATURES
- Adjustable image size and quality
- Time stamp and text overlays
- Flip & mirror

VIDEO BIT RATE
- 20K to 4M

CAMERA SPECIFICATIONS
- 1.3 Mega pixel 1/3" CMOS sensor
- Standard fixed mount type lens, 3.98mm lens, F2.0
- AGC/AWB/AES
- Electronic shutter: 1/60 to 1/15000 sec.
- Standard fixed mount type lens 4mm, F2.0
- 62˚ field of view

PAN/TILT/ZOOM
- Pan range: 130° ~ -180°
- Tilt range: +5° ~ -85°
- Digital zoom: 16x

AUDIO
- Sample rate GSM-AMR: 12.20kbps, PCM: 8Kbps

MICROPHONE
- Directivity: omni-directional
- Frequency: 20 ~ 20000Hz
- S/N ratio: more than 58dB

SECURITY
- Administrator and user group protected
- Password authentication
- Wireless LAN security: 64/128-bit WEP, WPA-PSK and WPA2 data encryption

SURVEILLANCE SOFTWARE FUNCTIONS
- Viewing of up to 32 cameras on one screen
- Supports all management functions provided in web interface
- Scheduled motion triggered, or manual recording options

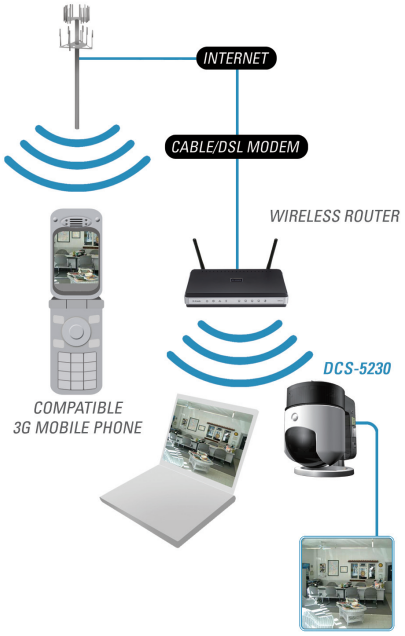
REMOTE MANAGEMENT
- Configuration accessible via web browser
- Take snapshots/video clips and save to local hard drive via web browser

SURVEILLANCE
- (Motion detection weekly schedule)
- Upload snapshots/video clips via email
- Upload snapshots/video clips via FTP

VIEWING SYSTEM REQUIREMENTS
- Operating System: Microsoft Windows XP, 2000/ Vista/ Linux/ MAC OS X10.3 or above
- Browser: Internet Explorer v6.0 or above

DCS-5230

YOUR NETWORK SETUP



SUPPORTED PDA, MOBILE PHONES & SOFTWARE

- Handsets with 3GPP player
- Packet Video Player 3.0
- QuickTime 6.5
- Real Player 10.5
- Windows 2000, XP, Vista

WIRELESS LAN

RADIO AND MODULATION SCHEMES

- 802.11b: DQPSK, DBPSK and CCK
- 802.11g: BPSK, QPSK, 16QAM, 64QAM, OFDM
- 802.11n (Draft)

OPERATING FREQUENCY

- 2400 to 24835MHz

WIRELESS DATA RATES

- IEEE 802.11n: Up to 300Mbps
- 802.11b: 11, 5.5, 2 and 1Mbps
- 802.11g: 54, 48, 36, 24, 18, 12, 9 and 6Mbps

RECEIVER SENSITIVITY

802.11b

- 11 Mbps (CCK): -84dBm
- 5.5 Mbps (CCK): -86dBm
- 2 Mbps (DQPSK): -88dBm
- 1 Mbps (DBPSK): -90dBm
  (typically @PER < 8% packet size 1024 and @25° C + 5° C)

802.11g

- 54 Mbps (OFDM): -66dbm
- 48 Mbps (OFDM): - 70dbm
- 36 Mbps (OFDM): -76dbm
- 24 Mbps (OFDM): -79dbm
- 18 Mbps (OFDM): -83dbm
- 12 Mbps (OFDM): -85dbm
- 9 Mbps (OFDM): -86dbm
- 6 Mbps (OFDM): -86dbm
  (typically @PER <10% packet size 1024 and @25° C + 5° C)

TRANSMITTER OUTPUT POWER

- 802.11n: 12dBm (typical)
- 802.11g: 12dBm (typical)
- 802.11b: 16dBm (typical)

PHYSICAL & ENVIRONMENTAL

DIAGNOSTIC LED

- Link/Power LED: Green/Red
- WPS LED: Blue

POWER INPUT

- 12V, 1.25A switching power adapter
- External AC-to-DC switching power adapter

POWER CONSUMPTION

- Max 5.64 watts

DIMENSIONS

- 110 (H) x 105 (W) x 112 (D) mm
- (4.33 x 4.13 x 4.41 inches)

WEIGHT

- 393 grams (0.87 lb)

OPERATION TEMPERATURE

- 0° to 40° C (32° to 104° F)

STORAGE TEMPERATURE

- -20° to 70° C (-4° to 158° F)

HUMIDITY

- 20% to 80% non-condensing

EMISSION (EMI), SAFETY & OTHER CERTIFICATIONS

- FCC Class B
- IC
- CE
- C-Tick

RADIO

- EN 300 328-2 (07-2000)

SAFETY

- EN60950

PACKAGE INCLUDES

- DCS-5230 camera
- External power adapter
- CAT5 Ethernet cable
- Quick Installation Guide
- Master CD
- Camera stand

[1] The mobile device must have 3G support and subscribe to 3G service from the phone service provider. The playback device must be equipped with 3G video playback such as RealPlayer TM or PacketVideo TM.

[2] 16x digital zoom enlarges an image by magnifying the pixels in a selected portion of the image by 16 times.

[3] The wireless router must also support WPS to connect to the DCS-5230.

The use of audio or video equipment for recording the image or voice of a person without his/her knowledge is prohibited in certain countries or jurisdictions. D-Link disclaims any liability whatsoever for any end-user use of D-Link products which fails to comply with applicable laws and regulations.

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